

SPX FLOW POW 1154

SPX Power Team 1154 Jaw Spreads User Manual

MODEL: POW 1154 FOR PPH17 HYDRAULIC PUSH-PULLERS

1. Introduction

This manual provides essential instructions for the safe and effective use of the SPX Power Team 1154 Jaw Spreads. These jaw spreads are designed as an accessory for PPH17 Hydraulic Push-Pullers, facilitating the removal of various internal components. Please read this manual thoroughly before setup, operation, or maintenance to ensure proper usage and prevent injury or damage to the equipment.

2. Safety Information

Always prioritize safety when working with hydraulic equipment. Failure to follow safety precautions can result in serious injury or equipment damage.

- **Read All Instructions:** Familiarize yourself with the operation of both the jaw spreads and the hydraulic push-puller before use.
- **Wear Personal Protective Equipment (PPE):** Always wear appropriate safety glasses, gloves, and other necessary protective gear.
- **Inspect Equipment:** Before each use, inspect the jaw spreads and push-puller for any signs of wear, damage, or loose components. Do not use damaged equipment.
- **Secure Workpiece:** Ensure the component to be removed and the surrounding area are stable and secure.
- **Avoid Overloading:** Do not exceed the rated capacity of the push-puller or the jaw spreads.
- **Maintain Clear Work Area:** Keep the work area clean, well-lit, and free from obstructions.

3. Product Components and Overview

The SPX Power Team 1154 Jaw Spreads are specialized attachments designed to grip internal surfaces for extraction. They are compatible with corresponding Power Team Slide Hammers or Push-Pullers, specifically the PPH17 series.



An image showing the SPX Power Team 1154 Jaw Spreads, designed for use with PPH17 Hydraulic Push-Pullers, featuring a 4-inch reach for internal pulling applications.

These jaw spreads are engineered to handle internal pulling jobs, enabling the removal of components such as bearings, bearing cups, bushings, and oil seals without causing damage to the removed part or the surrounding assembly.

4. Setup Instructions

Proper setup is crucial for effective and safe operation.

1. **Select Appropriate Jaw Spreads:** Ensure the 1154 Jaw Spreads are suitable for the internal diameter of the component you intend to remove. The 4-inch reach is designed for specific applications.
2. **Attach to Push-Puller:** Securely attach the 1154 Jaw Spreads to your Power Team PPH17 Hydraulic Push-Puller or compatible slide hammer. Refer to your push-puller's manual for specific attachment procedures. Ensure all connections are tight and stable.
3. **Position Jaws:** Insert the jaw spreads into the internal bore of the component to be removed. Ensure the jaws are fully engaged and seated correctly behind the component's edge.
4. **Expand Jaws:** Use the push-puller mechanism to gently expand the jaws, creating a firm grip on the internal surface of the component. Do not overtighten; a secure grip is sufficient.

5. Operating Instructions

Once the jaw spreads are securely attached and positioned, proceed with the pulling operation.

1. **Apply Force:** Gradually apply hydraulic pressure or slide hammer force to the push-puller. The jaw spreads will exert an outward and pulling force on the component.
2. **Monitor Progress:** Observe the component as force is applied. If the component does not move, re-evaluate the setup and ensure the jaws have a proper grip. Do not force the removal if resistance is excessive.
3. **Remove Component:** Continue applying force until the component is safely dislodged and removed.
4. **Release Jaws:** Once the component is removed, release the pressure or retract the slide hammer, allowing the jaw spreads to contract. Carefully remove the jaw spreads from the extracted component.

6. Maintenance

Regular maintenance ensures the longevity and reliable performance of your 1154 Jaw Spreads.

- **Cleaning:** After each use, clean the jaw spreads to remove any dirt, grease, or debris. Use a clean cloth and a mild solvent if necessary.
- **Inspection:** Periodically inspect the jaws for wear, cracks, or deformation. Check for any signs of corrosion. Replace worn or damaged components immediately.
- **Lubrication:** Apply a light coat of rust-preventative oil to all moving parts and exposed metal surfaces before storage.
- **Storage:** Store the jaw spreads in a clean, dry environment, protected from moisture and extreme temperatures.

7. Troubleshooting

If you encounter issues during operation, consider the following:

- **Component Not Moving:**
 - Ensure jaws are fully engaged and gripping the component securely.
 - Verify the push-puller is functioning correctly and applying adequate force.
 - Check for obstructions or seized components that may require additional preparation (e.g., penetrating oil).
- **Jaws Slipping:**
 - The jaws may be worn or damaged; inspect and replace if necessary.
 - The component's internal surface may be too smooth or tapered for a secure grip.
 - Ensure the correct size of jaw spreads is being used for the application.
- **Difficulty Attaching/Detaching:**
 - Check for debris or damage on the attachment points of both the jaw spreads and the push-puller.
 - Ensure proper alignment during attachment.

8. Specifications

Attribute	Detail
Model Number	POW 1154
Compatibility	PPH17 Hydraulic Push-Pullers, Power Team Slide Hammers
Reach	4 inches
Weight	Approximately 5 Pounds
Package Dimensions	12 x 8 x 2 inches
Country of Origin	United States
Primary Function	Internal pulling jobs (bearings, bearing cups, bushings, oil seals)

9. Warranty and Support

For information regarding product warranty, service, or technical support, please contact SPX FLOW directly or refer to the documentation provided with your original purchase. Keep your purchase receipt and model number (POW 1154) handy when contacting support.

You can find more information about SPX FLOW products and support on their official website or through authorized distributors. For general product details, you may also refer to the [product page](#).